## AMENDMENTS TO THE CLAIMS

Prior to the present communication, claims 1-24 and 39-48 were pending in the subject application. Each of claims 1-2, 5-7, 9, 12-13, 16, 19-20, and 39-41 has been amended herein. Claims 3, 4, and 8 are cancelled herein. Claim 49 has been added. Thus, claims 1–2, 5-7, 9-24, and 39-49 remain pending. It is respectfully submitted that no new matter has been added by way of the present amendments. All claims currently pending and under consideration in the present application are shown below. This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1.      (Currently Amended) A computer-implemented method for determining an amount of  work provided by a health care provider for ~~one or more patients~~a particular patient, the method comprising:

obtaining patient data for ~~one or more patients~~ the particular patient directly from a primary clinical information system;

determining a type of patient population that the particular patient is a member of;

accessing work factors for the type of patient population;

comparing the data for the particular patient to the work factors to determine which factors are satisfied;

accessing a weighted value for each satisfied work factor;

assigning each satisfied work factor with a weighted score;

calculating, with a computer processor, a work score for ~~each of the one or more patients utilizing the data~~ the particular patient using the satisfied work

factors, wherein the work score indicates a quantity of personnel hours anticipated

to serve ~~each of the one or more patients~~the particular patient; and

storing the particular patient's work score.

2.      (Currently Amended) The method of claim 1, further comprising:

receiving a request for a particular patient's work score ~~for each of the one~~

~~or more patients~~.

3.      (Cancelled)

4.      (Cancelled)

5.      (Currently Amended) The method of claim 1, wherein each work factor

has one or more assigned ~~values~~ weighted value.

6.      (Currently Amended) The method of claim 1, further comprising:

adjusting the weighted value of one or more work factors triggered by the

patient data based on rules.

7.      (Currently Amended) The method of claim 6, further comprising:

obtaining rules for generating a work score for ~~each of the one or more~~

~~patients~~the particular patient.

8.      (Cancelled)

9.      (Currently Amended) The method of claim 1, wherein the patient data is

one of outstanding orders, outstanding tasks, complete orders, completed tasks, services provided

by personnel over a period of time, scheduled procedures, scheduled outpatient care, assigned

tasks, assigned orders, assessment, tasks, services typically delivered for a specific patient or

patient type and combinations thereof.

10.     (Original) The method of claim 1, wherein the work score is prospective.

11.     (Original) The method of claim 1, where the work score is retrospective.

12.     (Currently Amended) One or more computer storagecomputer-storage

media having computer-executable instructions embodied thereon, that when executed by a

computing system having a processor and memory, cause the computing system to perform a

method, the method comprising:

    obtaining patient data for one or more patients in a patient population

directly from a primary clinical information system;

    determining a type of patient population that each of the one or more

patients are a member of;

    accessing work factors for the type of patient population;

    comparing the patient data for the particular patient to the work factors to

determine which factors are satisfied;

    accessing a weighted value for each satisfied work factor;

    assigning each satisfied work factor with a weighted score; and

    calculating, with the processor, a work score for each patientof the one or

more patients in the patient population utilizing data obtained directly from a

~~primary clinical information system~~, wherein the work score is a value that indicates an amount of work to treat each ~~patient~~of the one or more patients in the patient population;

storing ~~the work score~~one or more work scores for the one or more patients in the patient population; and

calculating staffing needs for the patient population based on the work scores obtained for the one or more patients in the patient population.

13.    (Currently Amended) The media of claim 12, wherein the method further comprises:

receiving a request for the work score for a particular patient in the patient population.

14.    (Original) The media of claim 13, wherein the method further comprises: determining the patients in the population.

15.    (Original) The media of claim 14, wherein the method further comprises: obtaining work factors for the population.

16.    (Currently Amended) The media of claim 15, wherein the method further comprises:

determining which of the factors are triggered by the data for ~~each patient~~ the particular patient in the population.

17.    (Original) The media of claim 15, wherein each factor has an assigned value.

18.     (Original) The media of claim 17, wherein the method further comprises:

adjusting the value of one or more factors triggered by the data.

19.     (Currently Amended) The media of claim 17, wherein the method further comprises:

obtaining rules for generating a work score for ~~each  patient~~a particular patient in the population.

20.     (Currently Amended) The media of claim 19, wherein the method further comprises:

utilizing the rules and values of factors triggered by the data to generate a work score for [~~each~~] the particular patient in the patient population.

21.     (Original) The media of claim 20, wherein the method further comprises: accumulating the work scores for all patients in the population.

22.     (Original) The media of claim 21, wherein the method further comprises: obtaining staffing standards for the population.

23.     (Original) The media of claim 22, wherein the method further comprises: calculating staffing needs based on the work scores obtained for the patients in the patient population and the staffing standards for the population.

24.     (Original) The media of claim 12, wherein the data is one of outstanding orders, outstanding tasks, completed orders, completed tasks, services provided by personnel over a period of time, scheduled procedures, scheduled outpatient care, assigned tasks, assigned orders, assessments, tasks, services typically delivered for a specific patient or patient type and combinations thereof.

25-38. (Canceled).

39.     (Currently Amended) One or more ~~computer storage~~ computer-storage media having computer-executable instructions embodied thereon that when executed by a computing system having a processor and memory, cause the computing system to perform a method, the method comprising:

obtaining patient data for ~~one or more patients~~a particular patient at a first point in time directly from a primary clinical information system; [and]

determining a type of patient population that the particular patient is a member of;

accessing work factors for the type of patient population;

comparing the patient data for the particular patient to work factors to determine which work factors are satisfied;

accessing weighted values for each satisfied work factor;

assigning each satisfied work factor with a weighted score;

utilizing the [data] weighted score to calculate a first instance of a work score~~work~~ for the ~~one or more patients~~particular patient using the satisfied work factors, wherein the first instance of a work score includes a measure of personnel

hours anticipated for the ~~one or more patients~~particular patient at a first point in time;

storing the first instance of a work score;

obtaining patient data for the particular patient at a second point in time directly from a primary clinical information system;

determining a type of patient population that the patient is a member of;

accessing work factors for the type of patient population;

comparing the patient data for the particular patient to work factors to determine which work factors are satisfied;

accessing weighted values for each satisfied work factor;

assigning each satisfied work factor with a weighted score;

utilizing the weighted score to calculate a second instance of a work score for the particular patient using the satisfied work factors, wherein the second instance of a work score includes a measure of personnel hours anticipated for the particular patient at a second point in time;

storing the second instance of a work score; and

trending the work score for the particular patient, wherein the first instance of a work score is compared to a second instance of a work score for the particular patient based on the patient data in the primary clinical information system.

40.     (Currently Amended) A computer-implemented method for determining the amount of [~~health care~~] healthcare provider work for a population of patients, the method comprising:

calculating, with a computer processor, a work score for each patient in a patient population utilizing data obtained directly from a primary clinical information system, wherein the work score is a quantity of personnel hours required to serve each patient in the patient population by a healthcare provider;

storing the work score for each patient; and

calculating staffing needs for the patient population based on the work scores obtained for [the] each patient in the patient population.

41.    (Currently Amended) A computerized system for optimizing personnel planning in a healthcare organization, the system comprising:

a work calculation module for calculating a work score for one or more patients;

a staff scheduling and staffing module for receiving input from the work calculation module about prospective workload and identifying healthcare personnel positions to be filled;

a role management module for managing the roles and information regarding personnel;

a workforce outcomes module for determining how effectively healthcare personnel have been used;

a demand forecast module for forecasting the volume and type of patients who will present, communicating information regarding a forecasted demand generated by the demand forecast module to the work calculation module, and communicating information to the staff scheduling and staffing module to help determine anticipated clinical demand; and

a resource dashboard module for <u>receiving information regarding staff scheduling from the staff scheduling and staffing module, receiving work calculations for the patient population from the work calculation module, and</u> displaying information regarding personnel and patients.

42.     (Original) The system of claim 41, further comprising:

an enterprise scheduling module for identifying information regarding appointments for outpatient procedures.

43.     (Original) The system of claim 42, further comprising:

a shift assignment module for displaying one of the capacity, availability and combinations thereof of personnel currently working.

44.     (Original) The system of claim 43, further comprising:

a registration module for identifying and tracking patient registration census and activity.

45.     (Original) The system for claim 44, further comprising:

a medical records module for capturing and storing patient data.

46.     (Original) The system of claim 45, further comprising:

a patient severity module for providing information regarding the status and conditions of patients.

47.     (Original) The system of claim 46, further comprising:

a departmental tracking module for tracking patients through different departments.

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48.     (Original) The system of claim 47, further comprising:

a personal work queue module for tracking and displaying work to be

performed by individual personnel.


49.     (New) The computer-storage media of claim 39 wherein trending the work

score for the particular patient further comprises more than two instances of a work score for the

particular patient based on the patient's data in the primary clinical information system.